

## Profile:

**Name:** Mrs. J. Praveena

**Designation:** Assistant Professor, Department of Physics

**Area of Interest:** Nanotechnology

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## PROFESSIONAL INFORMATION

### PUBLICATIONS

1. Myasar Mundher adnan, N Mahesh Kumar, **J. Praveena**, Deepak Patidar, Aarju, Ambika, “Bioinspired Routing Protocols for UWSNs Using Particle Swarm Optimization,” 2024 IEEE International Conference on Communication, Computing and Signal Processing (IICCCS) | 979-8-3503-9075-9/24  
DOI: 10.1109/IICCCS61609.2024.10763571
2. Jamvant Omkar, Dr. S. Menak, **J Praveena**, Neeraj Varshney, B. Arunkumar, Dr. G. Vinoda Reddy, “The use of 6G Communication Technology in Healthcare Applications for the Accurate and Better Transmission,” 2024 4<sup>th</sup> International on Advance computing and Innovative Technologies in Engineering (ICACITE) | 979-8-3503-6016-5/24,  
DOI: 10.1109/ICACITE60783.2024.10617337
3. **Praveena J**, T. Sripriya, P. Arivazhagi, Vijay Anand Kandaswamy, P. Sundara Bala Murugan, S. Swetha, “Fostering Innovation and Exploring the potential of IoT Assisted Air Conditioning Control System for Industrial Energy Saving,” 2023 9<sup>th</sup> International conference on small structures and system (ICSSS) |979-8-3503-8420-8/23,  
DOI: 10.1109/ICSSS58085.2023.10407955

### CERTIFICATION

- Innovation Ambassador IA Training “**Foundation Level**” conducted in online mode by MoE’s Innovation Cell and AICTE during the ICC calendar year 2024 – 2025
- Innovation Ambassador IA Training “**Advanced Level**” conducted in online mode by MoE’s Innovation Cell and AICTE during the ICC calendar year 2024 – 2025

## **EDUCATION DETAILS**

1. M.Phil., Physics, Jan 2020, Government Arts College, Bharathiyar University, Coimbatore.
2. M.Sc., Physics, 2018, Government Arts College, Bharathiyar University, Coimbatore
3. B.Sc., Physics, 2016, Bharathiyar Arts & Science College, Periyar University, Salem.

## **WORK EXPERIENCE:**

- Working as Assistant Professor in Prince Shri Venkateshwara Padmavathy Engineering College, Ponmar, Chennai from October 2023 till date
- Worked as Assistant Professor in Tagore Institute of Engineering and Technology, Salem

## **LIST OF FDP, CONFERENCES AND SEMINAR ATTENDED**

1. 7- Day International Online Faculty Development Programme on Recent Developments and Applications in Advanced Materials, St. Joseph College of Engineering, Chennai from 03.03.2025 to 09.03.2025.
2. Online Faculty Development Programme on “Frontiers in Scientific Research”, St. Joseph Institute of Technology, from 19.02.2024 to 24.02.2024.
3. Attended the Webinar on “Art of writing research proposals and various funding opportunities” in RVS Technical campus on 29<sup>th</sup> August 2022.
4. Participated in the National level Webinar on “Nanotechnology- Current trends and Future Perspective” organized by National Institute of Engineering & Technology on 21<sup>st</sup> June, 2021
5. Participated in the National Webinar on “What the molecular spectrum speaks” organized by T.B.M.L College, Porayar on 19<sup>th</sup> June, 2021
6. Attended the international Webinar on “Basic Sciences of MRI contrast agents” organized by T.B.M.L College, Porayar on 12<sup>th</sup> June, 2021
7. Participated in the National Webinar on “Fundamentals of Nanomaterials and its Applications to Science & Engineering” on 29<sup>th</sup> May 2021 by CSI College of Engineering, Ooty
8. Attended the National Webinar on “COVID-19 Awareness Programme” conducted by Youth Red Cross by Bharathidasan University on 27<sup>th</sup> May, 2021

## **ACADEMIC ACTIVITIES**

- ❖ Acted as a Questions setter for other colleges.
- ❖ Act as mentor for science club and organizes competitions.
- ❖ Acted as an external examiner for practical and theory examination.